	Application No.	Applicant(s)
Notice of Allowability	09/544,142	TSILEVICH, MAOZ BETZER
	Examiner	Art Unit
	Joseph D. Anthony	1714
The MAILING DATE of this communication app Il claims being allowable, PROSECUTION ON THE MERITS IS erewith (or previously mailed), a Notice of Allowance (PTOL-85 OTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R f the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in) or other appropriate common RIGHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS
. This communication is responsive to the amendment filed	11/06/03.	
. X The allowed claim(s) is/are 13-15, 17-25 [renumbered as	· · · · · · · · · · · · · · · · · · ·	
. The drawings filed on are accepted by the Examine	er.	
. ⊠ Acknowledgment is made of a claim for foreign priority u a) ⊠ All b) □ Some* c) □ None of the:	ınder 35 U.S.C. § 119(a)-(d)	or (f).
 Certified copies of the priority documents hav 	e been received.	
Certified copies of the priority documents hav	e been received in Applicati	on No
Copies of the certified copies of the priority do	ocuments have been receive	ed in this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
 Acknowledgment is made of a claim for domestic priority to reference was included in the first sentence of the specific 	ation or in an Application Da	ata Sheet. 37 CFR 1.78.
(a) The translation of the foreign language provisional	• •	
 Acknowledgment is made of a claim for domestic priority to in the first sentence of the specification or in an Application 		
pplicant has THREE MONTHS FROM THE "MAILING DATE" o elow. Failure to timely comply will result in ABANDONMENT of	of this communication to file fithis application. THIS THI	a reply complying with the requirements note REE-MONTH PERIOD IS NOT EXTENDABL
T. ☐ A SUBSTITUTE OATH OR DECLARATION must be subminiformal PATENT APPLICATION (PTO-152) which gives the property of the p		
 IX CORRECTED DRAWINGS (as "replacement sheets") mu (a) IX including changes required by the Notice of Draftsper 1) IX hereto or 2) □ to Paper No 		ew (PTO-948) attached
(b) I including changes required by the proposed drawing	correction filed, whi	ch has been approved by the Examiner.
(c) \square including changes required by the attached Examiner	's Amendment / Comment of	or in the Office action of Paper No
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in		
DEPOSIT OF and/or INFORMATION about the depot ttached Examiner's comment regarding REQUIREMENT FOR		
attachment(s)		
l Notice of References Cited (PTO-892) 2⊠ Notice of Draftperson's Patent Drawing Review (PTO-948) B□ Information Disclosure Statements (PTO-1449 or PTO/SB/	-	formal Patent Application (PTO-152) ummary (PTO-413), Paper No
	.01	Amendment/Comment
Paper No Examiner's Comment Regarding Requirement for Deposit of Biological Material	8⊠ Examiner's 9□ Other	Statement of Reasons for Allowance
-		Joseph D. Anthony Primary Examiner Art Unit: 1714

Art Unit: 1714

EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jerald L. Meyer on 11/24/03.

The application has been amended as follows:

Claim 13 (amended) A method for preparing an endothermic heat shield composition, which comprises at least 50 wt/wt% hydrated salt and at least one filler material, said method comprising:

- a) heating the hydrated salt to a temperature at which it liquefies:
- b) adding <u>and mixing</u> at least one filler material <u>into a</u>); and cooling the mixture to form a composition wherein the hydrated salt particles are fused to each other, <u>with the proviso that said at least one filler material is a mixture of organic and inorganic materials</u>.

In line 1 of claims 17, 21, and 22, delete the number "16" and insert therefor the number –13--.

Art Unit: 1714

In line 2 of claims 20, 23 and 25, delete the number "16" and insert therefor the number –13--.

Claims 1-12 and 16 have been canceled.

2. The following is an examiner's statement of reasons for allowance: By the above examiner's amendment the subject matter claim 16 was incorporated into independent claim 13. Claim 13 was amended to require that the filler material is mixed with the liquefied hydrated salt component, since this is clearly required for enablement for the invention, see the specification and the examples.

Claim 16 was incorporated into independent claim 13 to overcome the teachings of Phillips U.S. Patent Number 4,288,338. Phillips teaches a mixture for the storage of heat energy utilizing the heat of fusion of the mixture, said mixture includes a salt-hydrate, a nucleating agent and a porous solid, see the abstract. In column 5, lines 9-20, Phillips discloses a method of forming his heat of fusion storage mixture by combining a salt hydrate, a nucleating agent and water. The mixture is then heat cycled to melt the salt hydrate, and the mixture is filled into a container. A porous solid, which is preferably calcium sulfate hemihydrate (corresponds to applicant's inorganic filler material) is then added in dry form. The resulting mixture is than agitated until a substantially solid appearing mass is formed. The mass is than cooled and charged into a reservoir for use as a heat of fusion storage system.

Art Unit: 1714

Applicant's independent claim 13 as amended above, is deemed to be patentable distinct over the Phillips method of making a heat of fusion storage system since applicant's claimed method requires the addition of an organic filler material along with an inorganic filler material to the melted salt hydrate. There is just no teaching or suggestion from Phillip's disclosure for one having ordinary skill in the art to be motivated to add an organic filler material along with the inorganic porous solid to the melted salt hydrate mixture.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Examiner Information

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Joseph D. Anthony whose telephone number is (703) 308-0446 until 12/04/03; after 12/04/03 my new telephone number will be (571) 272-1117. This examiner can normally be reached on Monday through Thursday from 7:35 a.m. to 6:00 p.m. in the eastern time zone. If attempts to reach the examiner are unsuccessful, the examiner's supervisor, Vasu Jagannathan, can be reached on (703) 306-2777. The centralized FAX machine number is (703) 872-9306. All other papers received by FAX will be treated as Official communications and cannot be immediately

Art Unit: 1714

handled by the Examiner. Any inquiry of a general nature or relating to the status of this application should be directed to the receptionist whose telephone number is (703) 308-0651. The receptionist is located on the 8th floor of Crystal Plaza 3 (e.g. CP-3) and will be the welcome point for all visitors to the building.

Joseph D. Anthony Primary Patent Examiner Art Unit 1714

1/24/03